OPERATIONS AND MAI	NTENAN	CE ANNUAI	L REPORT	ING TABLE	FOR STO	RMWATER	NPDES	PERMIT
TASK	1996	1997 (Jan-Aug) (1997 Report)	1997 (Jan-Dec) (1998 Report)	1998 (Jan-Dec) (1999 Report)	1999 (Jan-Dec) (2000 Report)	2000 (Jan-Dec) (2001 Report)	2001 (Jan-Dec) (2002 Report)	2002 (Jan-Dec) (2003 Report)
MAINTAIN DRAINAGE FACILITIES (INVENTORY)								
curb & gutter lineal feet(Roads)	6,280,889	5,315,105	5,315,105	3,878,642	3,668,024	3,441,640	3,459,334	3,413,517
catch basins (Roads)	54,779	32,808	32,808	33,452	31,902	30,377	30,389	30,490
paved ditch lineal feet (Roads)	148,617	169,302	169,302	112,691	96,901	92,438	90,258	88,236
open ditch lineal feet (Roads)	8,226,256	7,838,016	7,838,016	7,116,780	7,087,728	6,547,000	6,530,503	6,538,337
 cross culverts (Roads) & access tiles (duplicated numbers in previous budget) cross culverts = 24,517 	62,723	47,381	47,381	46,185	45,131	41,210	41,049	40,951
bridges (Roads)	223	195	195	185	184	179	177	178
 mowable slopes pass miles(Roads) 	4,291	4,779	4,779	4,163.2	4,136	3,936	3,971	3,963
• residential R/D facilities (WLRD)	1,196	1,466 (incl. City contracts)	1371	1371	1371	1393	1536	1593
commercial & multifamily R/D facilities (WLRD)	1,455	1,427 (incl. City contracts)	1139	1136	1136	1137	1167	1261
commercial & multifamily conveyance-only facilities (WLRD)	300	325	390	420	460	458	463	474
• regional R/D facilities (WLRD)	124	118	131	170	180	186	190	195
MAINTAIN DRAINAGE FACILITIES (MAINTENANCE)								
ALL TYPES OF FACILITIES								
Apply K.C. Ord 5824, Sections 7B, 9A, & 9D (R/D maintenance)	yes	yes	yes	yes	yes	yes	yes	yes
Apply SWDM standards to new County BMP facilities	yes	yes	yes	yes	yes	yes	yes	yes
Investigate all R/D complaints	yes	1260 drainage complaints, 150 R/D related	YTD 180 incl. 18 R/D related	940 drainage complaints, 217 R/D related	918 drainage complaints, 256 R/D related	531 incl. 176 R/D related	878, 142 R/D related	742, 207 facilityrelated
Investigate and prioritize drainage problems		60 corrective WOs issued		65 corrective wo's issued	50 corrective WO's issued	34 corrective WO's issued	40 corrective WO's issued	101 corrective WO's issued
RESIDENTIAL R/D								
Inspect new residential systems for maintenance needs during first 2 years after construction @ 4x/yr	yes	65 facilities	70 facilities	80 facilities	80 facilities	95 facilities	130 facilities	107
Evaluate need of each existing residential R/D w/MIS for assessment	yes	yes	yes	yes	yes	yes	yes	yes
Schedule R/D assessments considering		yes	yes	yes	yes	yes	yes	yes

OPERATIONS AND MAINTENANCE ANNUAL REPORTING TABLE FOR STORMWATER NPDES PERMIT 1997 (Jan-Aug) 1997 (Jan-Dec) 1998 (Jan-Dec) 1999 (Jan-Dec) 2001 (Jan-Dec) 2000 (Jan-Dec) 2002 (Jan-Dec) TASK 1996 (1997 Report) (1999 Report) (2001 Report) (2002 Report) (1998 Report) (2000 Report) (2003 Report) seasonal workload ("phased assessments")

COMMERCIAL FACILITIES]							
Inspect conveyance-only commercial drainage systems	yes (0.9 FTE)	yes (0.9 FTE)	yes (0.9 FTE)	new facilities only (30)	new facilities only (30)	Program discontinued for CY 2000	Program discontinued for CY 2001	Program discontinued for CY 2002
Use MIS to inventory facilities and organize work program (includes laptop hookups for field technicians)	yes	yes	yes	yes	Yes	yes	yes	yes
Self-inspection & maintenance of privately owned commercial and multifamily R/D facilities	yes	904 in program	907	900 in program	No (County inspected 1136 facilities, incl. City contracts)	No self- inspection. (County inspected 1136 facilities, incl. City contracts.)	No self inspection. (County inspected 1167 facilities incl. City contracts.)	No self inspection (County inspected 1240 facilities incl. City contracts.
REGIONAL R/D								
Annual inspections of regional R/D	yes	yes	yes	yes	yes	yes	yes	yes
Inspect regional R/D facilities needing frequent maintenance before anticipated storms and after all major storms	yes	yes	yes	yes	yes	yes	yes	yes
FACILITIES WITHIN ROAD RIGHTS-OF-WAY								
Routine Maintenance ¹		Proposed	Actual	Actual	Actual	Actual	Actual	Actual
curb & gutter (Roads)	11,186 linear ft	559	1,274	1,960	1,697	1,556	1,336	3,127
hand ditching (Roads)	1,558 linear ft	5,487	1,487	638	1,674	552	2,181	1,230
drainage tile (Roads)	15,427 linear ft	6,070	25,826	20,255	13,115	5,628	8,716	9,312
vactor catch basin/manhole (Roads)	7,646	8,599	5,775	3,399	2,664	5,029	3,279	2,717
blade ditching/ shoulder pulling (Roads)	750,010 linear ft	556,041	637,592	742,303	342,510	629,010	706,169	885,932
• clean drain systems—equip (Roads)	126,003 linear ft	93,378	125,435	94,662	72,605	159,444	200,567	87,173
clean drain systems—hand (Roads)	6,958	9,211	4,698	5,345	3,253	1,285	3,293	4,059
drainage preparation (Roads)	942 man hours	1,105	523	248	519	261	408	522
repair catch basins (I & II)(Roads)	579	164	435	11,056	212	163	211	49
repair headers/trash rack (Roads)	183	166	94	20	24	4	7	20
bucket ditching (Roads)	239,532 linear ft	272,763	273,729	196,381	63,544	56,444	142,208	120,859

¹ Figures in this section and those that follow do not include city contracts. Figures for 1996 submitted with 1997 report and for 1997 with the 1998 report. no partial year data available.

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replace catch basins (I & II)(Roads)	133	95	174	844	124	49	84	94
replace catch basin lids (Roads)	208	161	172	164	191	139	100	213
• hydroseeding (Roads)	65,550 square yds	219,464	19,394	15,919	12,135	21,417	22,835	54,385
ditchmaster ditch clean (Roads)	228,870 linear ft	228,870	0	14,828	0	1,724	0	0
IMPROVEMENTS TO EXISTING ROAD DRAINAGE SYSTEM								
linear feet of pipe		14,419	6,874	8,516	5,615	11,743	10,130	8,428
new catch basins		203	107	116	102	166	135	143
• \$'s of erosion control			N/A	\$256,052	\$181,749	\$438,639	\$73,995	\$82,936
REMOVE SNOW AND ICE FROM ROADS								
Use salt and sand combination		8,984	6,502	16,897	6,505	11,319	9,965	22,407
BMPs to minimize water quality impacts (sweep sand off road ASAP after storm)	yes	yes	yes	yes	yes	yes	yes	yes
USE ROADS MAINTENANCE BMPS								
Finish BMP manual for K.C. Road Maintenance Operations	no	yes (revisions on- going based on testing & cost)			Developing Tri- County Road Maintenance Manual. After Tri-County Manual Developed, King County Will use Tri-County as minimum requirements.	Plan to adopt BMP Manual as revised in the tri- county negotiations for protection of Salmon and bull trout this year. (Timing is uncertain.)	Regional Road Maintenance ESA Program Guidelines currently published in the Federal Register with Public comment closed 2/25/02	Regional Road Maintenance ESA Program Guidelines currently published in the Federal Register with Public comments currently being added.
Evaluate BMPs for cost-effectiveness				yes	Yes – ongoing	Yes – ongoing	Yes – ongoing	Yes – ongoing
Implement BMPs for ESC on Road's projects		full implemen- tation for CIPs; partial implemen- tation for mainte- nance (need 10% budget increase for full implementation)		yes	Environmental Supervisor position created. to provide field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.	Environmental Supervisor filled. Provides field support and supervises BMP Implementation on Maintenance Projects.

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AP STORMWATER DRAINAGE FACILITIES		(1307 Nopoli)	(1000 Report)	(1000 Report)	(2000 Report)	(2001 Report)	(2002 Report)	(2000 Report)
ap facilities in public road rights-of-way		(see map - faci- lities completed)	continuing	continuing	continuing	continuing	Continuing	Continuing
Vork with WLRD on complete connectivity tween right-of-way and off-right-of-way ainage systems. [WLRD withdrew from the apping program in 1995.]		·	no	no	no	no	no	Reinstated Nov 2002
evelop GIS macro for mapping R/D facilities d complaints		near completion	in progress	in progress	in progress	in progress	Complete	Complete
SPOSE OF VACTOR WASTE	1							
rovide a network of vactor waste receiving tions for public & private sector	none	 1 liquid-only for KC gov't users in Shoreline 1 liquid and solid for all w/ GRCC training opens in Renton in Oct. if Council agrees on rate structure. Delayed due to flood repairs. 		 2 liquid and solid construction in 98 open in 1999 1 liquid and solid for all w/ training opened in Renton in July. 	2 stations to open mid 1999 one in south and one in north.	 North end site, Bruggers Bog, to open in the summer. Includes disposal of solids and liquids. South end site, Star Lake, to open in 2001. Delay due to permit issues with municipalities. 	 North End station, Bruggers Bog and Renton Station open. Includes disposal of solids and liquids. South end site, Star Lake, to open in 2002. Delay due to permit issues with municipalities. 	 North End station (Brugger's Bog) and Renton Static open. Include disposal of solids and liquids. South end site, Star Lake, opened to KC and WSDOT use only in late March of 2002. No ple to open to a other users. Includes disposal of solids and

OPERATIONS AND MAINTENANCE ANNUAL REPORTING TABLE FOR STORMWATER NPDES PERMIT 1997 (Jan-Aug) 1997 (Jan-Dec) 1998 (Jan-Dec) 1999 (Jan-Dec) 2000 (Jan-Dec) 2001 (Jan-Dec) 2002 (Jan-Dec) 1996 TASK (1997 Report) (1998 Report) (1999 Report) (2000 Report) (2001 Report) (2002 Report) (2003 Report) • solids to vendors who recycle and reuse end Yes yes yes yes yes yes Yes Yes product No. No sewer Discontinued connection at with the Star Lake. Liquid is opening of the North End transported by portable water treatment plant for remote sites where sewer connections are not coststation and the 6,000 gal. yes yes yes yes yes Continuing effective anticipated wastewater opening of the tanker to KC Renton Decant south end station for station. disposal. Experimental studies were conducted to determine cost and not yet—portable Due to budget effectiveness of cuts from I-695 treatment plant use for recycled Did not use purchased, **Planting** funding for this water from the recycled water storage tanks operation effort may be from Metro's wastewater not yet undergoing lost. Liquids To be operated at treatment plant wastewater constructed tests for DOE are currently • recycle treated water in vactors and street South County in Renton. treatment plant (budgeted funds approval for planned to be no station opening in Water was used to recharge sweepers diverted to flood three sites trucked from mid 1999. in dust control. Renton Decant Summit. damage—may these sites to Station settling watering newly vet construct for Cadman, and locations where planted vault. Not cost KC govt. use Issaguah they can be vegetation. effective. only in Issaguah decanted to charging & Summit areas sewer. Renton's decant settling vault, and use in sweeper trucks. • course for operators required before County Yes Yes yes yes yes yes facilities can be used • offer required course through GRCC Nο no No yes no no Joint venture vactor station in south K.C. Yes. See Star No no no no (w/WSDOT & cities) Lake above.

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OBSERVE NPDES INDUSTRIAL STORMWATER PERMITS								
Use BMPs in SWPPPs for operating facilities and mining/filling sites		yes	yes	yes	yes	yes	yes	Yes
Monitor consistent with the permit monitoring plans		yes	yes	yes	yes	yes	yes	Yes
Recycle road maintenance waste material (debris)		yes, as feasible	yes	yes	yes	yes	yes	Yes
Use BMPs as per SWPPPs for storage and handling of road debris		yes	yes	yes	yes	yes	yes	Yes
PRACTICE INTEGRATED VEGETATION MANAGEMENT								
Implement plan policies in road rights-of-way			yes	yes	yes	yes	yes	Yes
Develop cost estimates for full implementation of the IVMP	no		yes	yes	yes	yes	yes	Yes
Fund the IVMP	no		yes	yes	yes	yes	yes	Yes
OTHER ACHIEVEMENTS								
Study impacts of road shoulder types to water quality & quantity (Roads, WSDOT, UW)	continuing	done (8 ft porous pavement shoul- der will detain and treat a high percentage of roadway runoff)		Working with regulatory agencies to adopt as BMP		Negotiating as time permits.	Included as part of the BMPCase Studies in the Regional Road Maintenance ESA Program Guidelines	Included as part of the BMPCase Studies in the Regional Road Maintenance ESA Program Guidelines.